JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 429 (1992)

AUTHOR INDEX

Adam, M., (429) C1
Aguirre, A., (429) C19
Al-Juaid, S.S., (429) C9
Al-Nasr, A.K.A., (429) C9
Arthurs, M., (429) 245, 257

Batsanov, A.S., (429) 13
Behm, J., (429) 275
Besançon, J., (429) 335
Bickerton, J.C., (429) 245
Bochkarev, M.N., (429) 13, 27
Bock, H., (429) 1
Bohn, T., (429) 173
Bridson, J.N., (429) 379
Bruce, M.I., (429) 187, 207
Bruno, J.W., (429) C33
Bullock, R.M., (429) 345

Cambie, R.C., (429) 41, 59
Cartwright, J., (429) 229
Ceder, R.M., (429) 391
Chaloner, P.A., (429) C4
Cubillo, J., (429) 391

De Boer, E., (429) 99
Dillon, K.B., (429) 169
Drab, M.V., (429) 109
Drew, M.G.B., (429) 257

Eaborn, C., (429) C9
Eremenko, I.L., (429) 109

Farah, D., (429) 311
Fermin, M.C., (429) C33
Fischer, R.A., (429) 275
Fischer, R.D., (429) C1
Flowers, P.A., (429) 119
Furuta, H., (429) 287

Gamasa, M.P., (429) C19
García-Granda, S., (429) C19
Gimeno, J., (429) C19
Goodwin, H.P., (429) 169
Gorzellik, M., (429) 153, 173

Hanusa, T.P., (429) 143
Harward, B.L., (429) 119
Hausen, H.-D., (429) C27
Hill, A.F., (429) 229
Hitchcock, P.B., (429) C9
Hneihen, A.S., (429) C33
Horn, E., (429) 207
Housecroft, C.E., (429) C49
Hubbard, J.L., (429) 369
Huffman, J.C., (429) 143
Humphrey, P.A., (429) 187, 207

Jablonski, C., (429) 379
John, J.A., (429) 301
Johnson, B.F.G., (429) C41

Kamalov, G.L., (429) 109
Karrenbeld, H., (429) 99
Kato, Y., (429) 287
Kentgens, A.P.M., (429) 99
Kesselring, R., (429) 415
Ketkov, S.Y., (429) C38
Khramenkov, V.V., (429) 27
Kirkley, M., (429) 245
Klatt, L.N., (429) 119
Kotani, S., (429) 403
Kremer, M., (429) 1
Kuivila, H.G., (429) 311

Lastra, E., (429) C19
Latyaeva, V.N., (429) 13
Layer, T.M., (429) C41
Leigh, G.J., (429) C4
Lewis, J., (429) C41
Lin, Y., (429) 269
Linden, A., (429) 87
Lineva, A.N., (429) 13
Locke, K., (429) C27

Maas, J.J., (429) C33
Mamantov, G., (429) 119
Marcuzzi, A., (429) 87
Martín, A., (429) C41
Martín, B.M., (429) C19
McVicar, W.K., (429) 369
Metzler, M.R., (429) 41, 59
Miyamae, H., (429) 187
Miyamoto, T.K., (429) 287
Morton-Blake, D.A., (429) 257
Muller, G., (429) 391
Mynott, R., (429) 135

Nefedov, S.E., (429) 109
Nevodchikov, V.I., (429) 13
Nuber, B., (429) 153, 173

Onaka, S., (429) 287

Padiou, J., (429) 335
Palin, J., (429) 245
Pankratov, L.V., (429) 13
Pastor, S.D., (429) 415
Pasynkiewicz, S., (429) 135
Pasynskii, A.A., (429) 109
Pertierra, P., (429) C19
Piper, C., (429) 245, 257
Popławska, M., (429) 135
Priermeier, T., (429) 275

Radecki-Sudre, A., (429) 335
Rad'kov, Y.F., (429) 27
Raithby, P.R., (429) C41
Rappoli, B.J., (429) 345
Rentsch, D., (429) 87
Rocamora, M., (429) 391
Rutledge, P.S., (429) 41, 59

Saegusa, T., (429) C46
Sales, J., (429) 391
Schmidbaur, H., (429) 1
Schultze, H., (429) C1
Schumann, H., (429) 99
Shaposhnikova, A.D., (429) 109
Shiina, K., (429) 403
Siemeling, U., (429) C14
Skelton, B.W., (429) 187, 207
Sonogashira, K., (429) 403
Stephens, E.B., (429) 301
Struchkov, Y.T., (429) 109, 13, 27
Swami, K., (429) 311
Szymoniak, J., (429) 335

Takagi, S., (429) 287
Tiekink, E.R.T., (429) 207
Togni, A., (429) 415
Tortorelli, L.J., (429) 119

Tour, J.M., (429) 301
Trzeciak, A.M., (429) 239
Tsuda, T., (429) C46

Von Philipsborn, W., (429) 87

Weidlein, J., (429) C27
White, A.H., (429) 187, 207
Williams, R.A., (429) 143
Woodgate, P.D., (429) 41, 59

Yamamoto, T., (429) C46
Yanovsky, A.I., (429) 109
Young, D.W., (429) C49

Zakharov, L.N., (429) 13, 27
Zdanovich, I.V., (429) 13
Zhou, Y., (429) 269
Zhou, Z., (429) 379
Zhu, X., (429) 269
Ziegler, M.L., (429) 153, 173
Ziółkowski, J.J., (429) 239

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 429 (1992)

SUBJECT INDEX

Barium

Reaction of organocalcium and -barium complexes with pyrazines. X-ray structural characterization of $[(Me_5C_5)_2Ba]_2(\mu\text{-}C_4H_4N_2)$ (R.A. Williams, T.P. Hanusa and J.C. Huffman), (429) 143

Boron

Polyazolyl chelate chemistry. IV. Dihydrobis(benzotriazolyl)borato complexes of ruthenium(II) (J. Cartwright and A.F. Hill), (429) 229

Calcium

Reaction of organocalcium and -barium complexes with pyrazines. X-ray structural characterization of $[(Me_5C_5)_2Ba]_2(\mu\text{-}C_4H_4N_2)$ (R.A. Williams, T.P. Hanusa and J.C. Huffman), (429) 143

Chalcogenides

Structure and dynamics of $[C_5H_5Fe(CO)_2(E(CH_3)_2)]BF_4$ (E = S, Se, Te) complexes studied by ^{13}C solid state NMR spectroscopy (A.P.M. Kentgens, H. Karrenbeld, E. de Boer and H. Schumann), (429) 99

Chromium

Synthèse de chalcones à base de tétrathiafulvalène: RC(=O)CH=C(CH$_3$)TTF, TTFC(=O)CH=C(CH$_3$)R (R = TTF: $C_6H_3S_4$; Bct: $C_6H_5Cr(CO)_3$; Fc: $C_5H_4FeC_5H_5$). Propriété conductrice d'un nouveau complexe de transfert de charge TTFC(=O)CH=C(CH$_3$)TTF·TCNQ (J. Besançon, A. Radecki-Sudre, J. Szymoniak and J. Padiou), (429) 335

Vapor-phase electronic absorption spectrum of (η^5-cyclopentadienyl)(η^5-cycloheptatrienyl)chromium (S.Y. Ketkov), (429) C38

Cobalt

Rupture of the triple C≡C and C≡O bonds in the mixed-metal clusters with Ni_2Mo_2 and Mo_4Co_3 cores. Synthesis and molecular structures of $Cp_4Ni_2Mo_2(\mu_3\text{-}CPh)_2(\mu_3\text{-}CO)_2$ and $Cp_4Mo_4(\mu_3\text{-}OH)(\mu_3\text{-}CPh)_2(\mu_6\text{-}C)Co_3(\mu\text{-}CO)_3(CO)_3$ (A.D. Shaposhnikova, M.V. Drab, G.L. Kamalov, A.A. Pasynskii, I.L. Eremenko, S.E. Nefedov, Y.T. Struchkov and A.I. Yanovsky), (429) 109

Organoerdmetallkomplexe von *d*-Block-Elementen. IV. "Ein-Topf-Synthese" flüchtiger Organogalliocobalt-Komplexe, Molekülstruktur von {μ-[3-(Diethylamino)propyl]gallio}- [bis(tetracarbonylcobalt)] (R.A. Fischer, J. Behm and T. Priermeier), (429) 275

Metal-metal bonds extended over a porphyrin ring. III. Syntheses and spectral studies of new metal–metal bonded indium porphyrin complexes, (TBPP)In–ML and (5FP)In–ML (S. Takagi, Y. Kato, H. Furuta, S. Onaka and T.K. Miyamoto), (429) 287

Synthesis, characterization, crystal structure, and solution conformation of $(-)_{436}$-(S_{Co},S_C)- (η^5-C_9H_7)Co*(C_3F_7)I(Ph_2PNHC*H(CH_3)Ph), an easily resolvable chiral-at-metal complex (C. Jablonski, Z. Zhou and J.N. Bridson), (429) 379

Gallium

Organoerdmetallkomplexe von *d*-Block-Elementen. IV. "Ein-Topf-Synthese" flüchtiger Organogalliocobalt-Komplexe, Molekülstruktur von {μ-[3-(Diethylamino)propyl]gallio}- [bis(tetracarbonylcobalt)] (R.A. Fischer, J. Behm and T. Priermeier), (429) 275

Germanium

Reactions of pentafluorophenyl germanium hydrides with nickelocene (L.V. Pankratov, V.I. Nevodchikov, L.N. Zakharov, M.N. Bochkarev, I.V. Zdanovich, V.N. Latyaeva, A.N. Lineva, A.S. Batsanov and Y.T. Struchkov), (429) 13

Gold

The gold(I)-catalyzed aldol reaction utilizing chiral ferrocenylamine ligands: synthesis of *N*-benzyl-substituted ligands (S.D. Pastor, R. Kesselring and A. Togni), (429) 415

Indium

Metal-metal bonds extended over a porphyrin ring. III. Syntheses and spectral studies of new metal–metal bonded indium porphyrin complexes, (TBPP)In–ML and (5FP)In–ML (S. Takagi, Y. Kato, H. Furuta, S. Onaka and T.K. Miyamoto), (429) 287

Die Molekül- und Kristallstruktur von $(CH_3)_2InN_2C_3H_3$ (H.-D. Hausen, K. Locke and J. Weidlein), (429) C27

Iridium

Spectroscopic investigations of catalytic iridium carbonyl species in sodium chloroaluminate melts (L.J. Tortorelli, P.A. Flowers, B.L. Harward, G. Mamantov and L.N. Klatt), (429) 119

A convenient lactonization of diols to γ- and δ-lactones catalyzed by transition metal polyhydrides (Y. Lin, X. Zhu and Y. Zhou), (429) 269

Iron

Resolution of [(η^4-benzylideneacetone)$Fe(CO)_3$]. Structure and configurational stability of [(*pS*)-(benzylideneacetone)$Fe(CO)_2L^*$] (L^* = (+)-neomenthyldiphenylphosphine) (A. Marcuzzi, A. Linden, D. Rentsch and W. von Philipsborn), (429) 87

Structure and dynamics of $[C_5H_5Fe(CO)_2(E(CH_3)_2)]BF_4$ (E = S, Se, Te) complexes studied by ^{13}C solid state NMR spectroscopy (A.P.M. Kentgens, H. Karrenbeld, E. de Boer and H. Schumann), (429) 99

Synthèse de chalcones à base de tétrathiafulvalène: $RC(=O)CH=C(CH_3)TTF$, $TTFC(=O)CH=C(CH_3)R$ (R = TTF: $C_6H_3S_4$; Bct: $C_6H_5Cr(CO)_3$; Fc: $C_5H_4FeC_5H_5$). Propriété conductrice d'un nouveau complexe de transfert de charge $TTFC(=O)CH=C(CH_3)TTF \cdot TCNQ$ (J. Besançon, A. Radecki-Sudre, J. Szymoniak and J. Padiou), (429) 335

Facile conversion of (η^5-C_5R_5)$M(CO)_2$–halide complexes to halomethyl, alkoxymethyl, and cyanomethyl derivatives (R = H, CH_3; M = Fe, Ru; halide = Cl, Br, I) (J.L. Hubbard and W.K. McVicar), (429) 369

The gold(I)-catalyzed aldol reaction utilizing chiral ferrocenylamine ligands: synthesis of *N*-benzyl-substituted ligands (S.D. Pastor, R. Kesselring and A. Togni), (429) 415

Intramolecular nucleophilic attack on cationic iron(II) vinylidene complexes: synthesis and crystal structure of the alkenyl [$Fe(\overline{C=CMe^tBu}(\eta\text{-}C_5H_5)(PPh_2P)_2\overline{CH}$] containing an unprecedented bicyclopentane ring system (M.P. Gamasa, J. Gimeno, E. Lastra, B.M. Martín, A. Aguirre, S. García-Granda and P. Pertierra), (429) C19

Lithium

Convenient route to di- and triorganosilyl ethyl ethers and the corresponding di- and triorganosilanes (J.M. Tour, J.A. John and E.B. Stephens), (429) 301

Manganese

Coupling reactions of diterpenoid η^2-tetracarbonylmanganese complexes with alkynes (R.C. Cambie, M.R. Metzler, P.S. Rutledge and P.D. Woodgate), (429) 41

Reactions with alkenes of η^2-7-oxotetracarbonylmanganese complexes derived from diterpenoids (R.C. Cambie, M.R. Metzler, P.S. Rutledge and P.D. Woodgate), (429) 59

Metal-metal bonds extended over a porphyrin ring. III. Syntheses and spectral studies of new metal–metal bonded indium porphyrin complexes, (TBPP)In–ML and (5FP)In–ML (S. Takagi, Y. Kato, H. Furuta, S. Onaka and T.K. Miyamoto), (429) 287

Formation of a manganese alkyl complex as an intermediate in the ring-opening hydroformylation of α-cyclopropylstyrene by $HMn(CO)_5$ (R.M. Bullock and B.J. Rappoli), (429) 345

Metallocenes

Reactions of pentafluorophenyl germanium hydrides with nickelocene (L.V. Pankratov, V.I. Nevodchikov, L.N. Zakharov, M.N. Bochkarev, I.V. Zdanovich, V.N. Latyaeva, A.N. Lineva, A.S. Batsanov and Y.T. Struchkov), (429) 13

Synthèse de chalcones à base de tétrathiafulvalène: RC(=O)CH=C(CH_3)TTF, TTFC(=O)CH=C(CH_3)R (R = TTF: $C_6H_3S_4$; Bct: $C_6H_5Cr(CO)_3$; Fc: $C_5H_4FeC_5H_5$). Propriété conductrice d'un nouveau complexe de transfert de charge TTFC(=O)CH=C(CH_3)TTF·TCNQ (J. Besançon, A. Radecki-Sudre, J. Szymoniak and J. Padiou), (429) 335

Facile synthesis of α,β-unsaturated niobium acyls via γ-hydride abstraction (A.S. Hneihen, M.C. Fermin, J.J. Maas and J.W. Bruno), (429) C33

Molybdenum

Rupture of the triple C≡C and C≡O bonds in the mixed-metal clusters with Ni_2Mo_2 and Mo_4Co_3 cores. Synthesis and molecular structures of $Cp_4Ni_2Mo_2(\mu_3\text{-}CPh)_2(\mu_3\text{-}CO)_2$ and $Cp_4Mo_4(\mu_3\text{-}OH)(\mu_3\text{-}CPh)_2(\mu_6\text{-}C)Co_3(\mu\text{-}CO)_3(CO)_3$ (A.D. Shaposhnikova, M.V. Drab, G.L. Kamalov, A.A. Pasynskii, I.L. Eremenko, S.E. Nefedov, Y.T. Struchkov and A.I. Yanovsky), (429) 109

Komplexinduzierter Abbau von As_4S_4: Synthese von Molybdän–Schwefel-Komplexen und Molybdän–Arsen-Tetrahedranen (M. Gorzellik, B. Nuber and M.L. Ziegler), (429) 153

Organometallic complexes of the diphosphene $[2,4,6\text{-}(CF_3)_3C_6H_2]_2P_2$ (K.B. Dillon and H.P. Goodwin), (429) 169

Photolytisch induzierte Erzeugung und komplexchemische Stabilisierung eines Molybdän–Arsen-Dreifachbindungssystems; Röntgenstrukturanalysen der Cluster μ_3-$AsCp_3Mo_2Ni(CO)_4$, $As_2Cp_6Mo_4Ni_2(CO)_7$ und μ_3-$AsCpMoPt_2(CO)_4(PPh_3)_2$ (M. Gorzellik, B. Nuber, T. Bohn and M.L. Ziegler), (429) 173

Metal-metal bonds extended over a porphyrin ring. III. Syntheses and spectral studies of new metal–metal bonded indium porphyrin complexes, (TBPP)In–ML and (5FP)In–ML (S. Takagi, Y. Kato, H. Furuta, S. Onaka and T.K. Miyamoto), (429) 287

Nickel

Reactions of pentafluorophenyl germanium hydrides with nickelocene (L.V. Pankratov, V.I. Nevodchikov, L.N. Zakharov, M.N. Bochkarev, I.V. Zdanovich, V.N. Latyaeva, A.N. Lineva, A.S. Batsanov and Y.T. Struchkov), (429) 13

Rupture of the triple C≡C and C≡O bonds in the mixed-metal clusters with Ni_2Mo_2 and Mo_4Co_3 cores. Synthesis and molecular structures of $Cp_4Ni_2Mo_2(\mu_3\text{-}CPh)_2(\mu_3\text{-}CO)_2$ and $Cp_4Mo_4(\mu_3\text{-}OH)(\mu_3\text{-}CPh)_2(\mu_6\text{-}C)Co_3(\mu\text{-}CO)_3(CO)_3$ (A.D. Shaposhnikova, M.V. Drab, G.L. Kamalov, A.A. Pasynskii, I.L. Eremenko, S.E. Nefedov, Y.T. Struchkov and A.I. Yanovsky), (429) 109

Reactions of unstable compound {$CpNiCH_3$} with acetylenes (S. Pasynkiewicz, M. Popławska and R. Mynott), (429) 135

Photolytisch induzierte Erzeugung und komplexchemische Stabilisierung eines Molybdän–Arsen-Dreifachbindungssystems; Röntgenstrukturanalysen der Cluster μ_3-$AsCp_3Mo_2Ni(CO)_4$, $As_2Cp_6Mo_4Ni_2(CO)_7$ und μ_3-$AsCpMoPt_2(CO)_4(PPh_3)_2$ (M. Gorzellik, B. Nuber, T. Bohn and M.L. Ziegler), (429) 173

Reactions of neutral and ionic square-planar organometallic nickel compounds with ethylene (R.M. Ceder, J. Cubillo, G. Muller, M. Rocamora and J. Sales), (429) 391

Synthesis and properties of 2- or 2,5-substituted thiophene and 2- or 2,5′-substituted dithiophene derivatives of platinum (S. Kotani, K. Shiina and K. Sonogashira), (429) 403

Niobium

Facile synthesis of α,β-unsaturated niobium acyls via γ-hydride abstraction (A.S. Hneihen, M.C. Fermin, J.J. Maas and J.W. Bruno), (429) C33

Palladium

Synthesis and properties of 2- or 2,5-substituted thiophene and 2- or 2,5′-substituted dithiophene derivatives of platinum (S. Kotani, K. Shiina and K. Sonogashira), (429) 403

Palladium-catalyzed cycloaddition of carbon dioxide with methoxyallene (T. Tsuda, T. Yamamoto and T. Saegusa), (429) C46

Phosphorus

Organometallic complexes of the diphosphene $[2,4,6\text{-}(CF_3)_3C_6H_2]_2P_2$ (K.B. Dillon and H.P. Goodwin), (429) 169

Photolytisch induzierte Erzeugung und komplexchemische Stabilisierung eines Molybdän–Arsen-Dreifachbindungssystems; Röntgenstrukturanalysen der Cluster μ_3-$AsCp_3Mo_2Ni(CO)_4$, $As_2Cp_6Mo_4Ni_2(CO)_7$ und μ_3-$AsCpMoPt_2(CO)_4(PPh_3)_2$ (M. Gorzellik, B. Nuber, T. Bohn and M.L. Ziegler), (429) 173

Organoerdmetallkomplexe von *d*-Block-Elementen. IV. "Ein-Topf-Synthese" flüchtiger Organogalliocobalt-Komplexe, Molekülstruktur von {μ-[3-(Diethylamino)propyl]gallio}- [bis(tetracarbonylcobalt)] (R.A. Fischer, J. Behm and T. Priermeier), (429) 275

Platinum

Organometallic complexes of the diphosphene $[2,4,6\text{-}(CF_3)_3C_6H_2]_2P_2$ (K.B. Dillon and H.P. Goodwin), (429) 169

Photolytisch induzierte Erzeugung und komplexchemische Stabilisierung eines Molybdän–Arsen-Dreifachbindungssystems; Röntgenstrukturanalysen der Cluster μ_3-$AsCp_3Mo_2Ni(CO)_4$, $As_2Cp_6Mo_4Ni_2(CO)_7$ und μ_3-$AsCpMoPt_2(CO)_4(PPh_3)_2$ (M. Gorzellik, B. Nuber, T. Bohn and M.L. Ziegler), (429) 173

Synthesis and properties of 2- or 2,5-substituted thiophene and 2- or 2,5′-substituted dithiophene derivatives of platinum (S. Kotani, K. Shiina and K. Sonogashira), (429) 403

Rhenium

A convenient lactonization of diols to γ- and δ-lactones catalyzed by transition metal polyhydrides (Y. Lin, X. Zhu and Y. Zhou), (429) 269

Rhodium

Rhodium hydride ($HRh(CO)(PPh_3)_3$) and rhodium carbonyl ($Rh_4(CO)_8L_4$) complexes obtained by reaction of Rh(acac)(CO)(L) type complexes with methanol and formaldehyde (A.M. Trzeciak and J.J. Ziółkowski), (429) 239

Substituted cyclopentadienyl compounds. I. Formylation of methylcyclopentadienide and the synthesis and NMR study of some thallium(I) and rhodium(I) derivatives of cyano-, methyl-, methanoyl- and dimethylamidocyclopentadienes (M. Arthurs, J.C. Bickerton, M. Kirkley, J. Palin and C. Piper), (429) 245

Substituted cyclopentadienyl compounds. II. Molecular orbital study of ring slippage in some rhodium(I) derivatives and the X-ray structure of η^5-phenylcyclopentadienylbis(η^2-ethene)rhodium(I) (M. Arthurs, C. Piper, D.A. Morton-Blake and M.G.B. Drew), (429) 257

Ruthenium

Cluster chemistry. LXXXI. Reactions of $Ru_3(\mu\text{-dppm})(CO)_{10}$ with $C_2(CO_2Me)_2$. X-Ray structures of $Ru_3\{\mu_3\text{-}C_4(CO_2Me)_4\}(\mu\text{-dppm})(CO)_6$, $Ru_3(\mu\text{-}H)_2\{\mu_3\text{-}C_2(CO_2Me)_2\}(\mu\text{-dppm})(CO)_7$ and $Ru_4\{\mu_3\text{-}H\}\{\mu_4\text{-}C_2(CO_2Me)_2\}\{\mu\text{-}PPh_2CH_2PPh(C_6H_4)\}(CO)_9$ (M.I. Bruce, P.A. Humphrey, H. Miyamae, B.W. Skelton and A.H. White), (429) 187

Cluster chemistry. LXXXII. Reactions between $Ru_3(\mu\text{-dppm})(CO)_{10}$ and 1-alkynes and related chemistry. Crystal structures of $Ru_3(\mu\text{-}H)(\mu_3\text{-}C_2C_6F_5)(\mu\text{-dppm})(CO)_7$, $Ru_3\{\mu_3\text{-}PPhCH_2PPh(C_6H_4)\}(\mu\text{-}C_4H_2Ph_2)(CO)_6$, $AuRu_3(\mu_3\text{-}C_2Ph)(\mu\text{-dppm})(CO)_7\{P(C_6H_4Me\text{-}p)_3\}$ and $Ru_2(\mu\text{-}I)(\mu\text{-dppm})(\mu\text{-}C_2Ph)(CO)_4$ (M.I. Bruce, P.A. Humphrey, E. Horn, E.R.T. Tiekink, B.W. Skelton and A.H. White), (429) 207

Polyazolyl chelate chemistry. IV. Dihydrobis(benzotriazolyl)borato complexes of ruthenium(II) (J. Cartwright and A.F. Hill), (429) 229

A convenient lactonization of diols to γ- and δ-lactones catalyzed by transition metal polyhydrides (Y. Lin, X. Zhu and Y. Zhou), (429) 269

Facile conversion of $(\eta^5\text{-}C_5R_5)M(CO)_2$–halide complexes to halomethyl, alkoxymethyl, and cyanomethyl derivatives (R = H, CH_3; M = Fe, Ru; halide = Cl, Br, I) (J.L. Hubbard and W.K. McVicar), (429) 369

Synthesis and characterisation of novel selenium-containing clusters; crystal structures of $[Ru_4(\mu_4\text{-}Se)_2(CO)_8(\mu\text{-}CO)_3]$ and $[Ru_3(\mu_3\text{-}Se)_2(CO)_7(Ph_2P(CH_2)_3PPh_2)]$ (B.F.G. Johnson, T.M. Layer, J. Lewis, A. Martín and P.R. Raithby), (429) C41

Samarium

Dimorphie von kristallinem Acetonitril-tris(η^5-cyclopentadienyl)samarium(III) (M. Adam, H. Schultze and R.D. Fischer), (429) C1

Selenium

Structure and dynamics of $[C_5H_5Fe(CO)_2(E(CH_3)_2)]BF_4$ (E = S, Se, Te) complexes studied by ^{13}C solid state NMR spectroscopy (A.P.M. Kentgens, H. Karrenbeld, E. de Boer and H. Schumann), (429) 99

Silicon

Photoelektronen-Spektren und Moleküleigenschaften. CXXXI. $C(SiH_3)_4$, $HC(SiH_3)_3$ und $(H_3C)HC(SiH_3)_2$ (H. Bock, M. Kremer and H. Schmidbaur), (429) 1

Convenient route to di- and triorganosilyl ethyl ethers and the corresponding di- and triorganosilanes (J.M. Tour, J.A. John and E.B. Stephens), (429) 301

Crystallographic evidence for intermolecular hydrogen bonding between aryl groups and OH groups in silanols (S.S. Al-Juaid, A.K.A. Al-Nasr, C. Eaborn and P.B. Hitchcock), (429) C9

Cyclopentadienyl-Liganden mit hydrophilen Tentakeln (U. Siemeling), (429) C14

Sulphur

Structure and dynamics of $[C_5H_5Fe(CO)_2(E(CH_3)_2)]BF_4$ (E = S, Se, Te) complexes studied by ^{13}C solid state NMR spectroscopy (A.P.M. Kentgens, H. Karrenbeld, E. de Boer and H. Schumann), (429) 99

Tellurium

Structure and dynamics of $[C_5H_5Fe(CO)_2(E(CH_3)_2)]BF_4$ (E = S, Se, Te) complexes studied by ^{13}C solid state NMR spectroscopy (A.P.M. Kentgens, H. Karrenbeld, E. de Boer and H. Schumann), (429) 99

Thallium

Substituted cyclopentadienyl compounds. I. Formylation of methylcyclopentadienide and the synthesis and NMR study of some thallium(I) and rhodium(I) derivatives of cyano-, methyl-, methanoyl- and dimethylamidocyclopentadienes (M. Arthurs, J.C. Bickerton, M. Kirkley, J. Palin and C. Piper), (429) 245

Tin

Synthesis and spectral characterization of medium ring distannacycloalkanes and their Lewis acid derivatives (D. Farah, K. Swami and H.G. Kuivila), (429) 311

Tungsten

Organometallic complexes of the diphosphene $[2,4,6\text{-}(CF_3)_3C_6H_2]_2P_2$ (K.B. Dillon and H.P. Goodwin), (429) 169

Ytterbium

Synthesis and characterization of pentaphenyldiytterbium $Ph_2Yb(THF)(\mu\text{-}Ph)_3Yb(THF)_3$ (M.N. Bochkarev, V.V. Khramenkov, Y.F. Rad'kov, L.N. Zakharov and Y.T. Struchkov), (429) 27

Book reviews

Aspects of homogeneous catalysis, Vol. 7, Renato Ugo (Ed.) (P.A. Chaloner), (429) C4

Advances in metal-organic chemistry, Vol. 2, Lanny S. Liebeskind (Ed.) (P.A. Chaloner), (429) C5

Inorganic biochemistry of iron metabolism, R.R. Crichton (G.J. Leigh), (429) C6

Dioxygen activation and homogeneous catalytic oxidation, L.I. Simándi (G.J. Leigh), (429) C6

Nucleoside synthesis — organosilicon methods, E. Lukevics (D.W. Young), (429) C49

Electron deficient boron and carbon clusters, G.A. Olah (C.E. Housecroft), (429) C49